



572 #2
632
W/ATTACH'S

Please type a plus sign (+) inside this box →

Approved for use through 09/30/2000. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	09/328,975 RECEIVED
		Filing Date	6/9/99 NOV 26 1999
		First Named Inventor	Wolff TECH CENTER 1600/2900
		Group Art Unit	1632
		Examiner Name	
Total Number of Pages in This Submission	1	Attorney Docket Number	Mirus.009.01

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Additional Enclosure(s): (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Small Entity Statement	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Mark K. Johnson
Signature	
Date	November 22, 1999

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: November 22, 1999

Typed or printed name	Mark K. Johnson
Signature	
Date	November 22, 1999

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be send to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: **Jon A. Wolff,**)
Vladimir S. Trubetskoy,)
Sean D. Monahan, James E. Hagstrom,)
Paul M. Slattum, Vladimir G. Budker,)
Aaron G. Loomis)
Serial No.: 09/328,975)
Filed: 6/9/99)



For: Charge Reversal of Polyion Complexes

INFORMATIONAL STATEMENT

Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. 1.56, applicant hereby calls to the attention of the Patent and Trademark Office the publications listed on the attached PTO 1449. One copy of each publication is attached.

UNITED STATES PATENTS

Patent No. **Inventor** **Issue Date**

FOREIGN PATENTS

Patent No. **Inventor** **Issue Date**

REFERENCES CITED

Bloomfield, V., "DNA Condensation." Current Opinion in Structural Biology 1996; 6; 334-341.

Dash, P. Et al., "Factors Affecting Blood Clearance and In Vivo Distribution of

Polyelectrolyte Complexes for Gene Delivery." Gene Therapy 1999; 6; 643-650.

Dash, P. Et al., "Synthetic Polymers For Vectorial Delivery of DNA: Characterisation of Polymer-DNA Complexes by Photon Correlation Spectroscopy and Stability to Nuclease Degradation and Disruption by Polyanions in Vitro." Journal of Controlled Release 1997; 48; 269-276.

Haensler, J. Et al., "Polyamidoamine Cascade Polymers Mediate Efficient Transfection of Cells in Culture." Bioconjugate Chemistry 1993; 4; 372-379.

Hansma, H. Et al., "DNA Condensation for Gene Therapy as Monitored By Atomic Force Microscopy." Nucleic Acids Research 1998; Vol. 26. No. 10; 2481-2487.

Kabanov, A. Et al., "Interpolyelectrolyte and Block Ionomer Complexes for Gene Delivery: Physico-chemical Aspects." Advanced Drug Delivery Reviews 1998; 30; 49-60.

Kichler, A. Et al., "Influence of Membrane-Active Peptides on Lipospermine/DNA Complex Mediated Gene Transfer." Bioconjugate Chem. 1997; 8; 213-221.

Maruyama, A. Et al., "Nanopartical DNA Carrier with Poly(L-lysine) Grafted Polysaccharide Copolymer and Poly(D,L-lactic acid)." Bioconjugate Chemistry

Ogris, M. Et al., "PEGylated DNA/Transferrin-PEI Complexes: Reduced Interaction with Blood Components, Extended Circulation in Blood and Potential for Systemic Gene Delivery." Gene Therapy 1999; 6; 595-605.

Plank, C. Et al., "The Influence of Endosome-disruptive Peptides on Gene Transfer Using Synthetic Virus-like Gene Transfer Systems." The Journal of Biological Chemistry April 29, 1994; Vol. 269, No. 17; 12918-12924.

Talingting, M.R. Et al., "Cationic Copolymer Micelles and Anionic Polyelectrolytes Forming Onion-Type Micelles." Polymer Preprints 1999; Vol. 40, No. 2; 240-241.

Tang, MX, Et al., "The Influence of Polymer Structure on the Interactions of Cationic Polymers with DNA and Morphology of the Resulting Complexes." Gene Therapy 1997; 4; 823-832.

Trubetskoy, V. Et al., "Layer-by-Layer Deposition of Oppositely Charged Polyelectrolytes on the Surface of Condensed DNA Particles." Nucleic Acids Research 1999; Vol. 27, No. 15; 3090-3095.

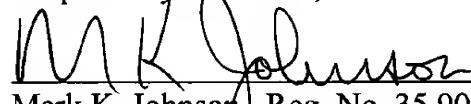
Trubetskoy, V. Et al., "Quantitative Assessment of DNA Condensation." Analytical Biochemistry 1999; 267; 309-313.

Wolfert, M. Et al., "Characterization of Vectors for Gene Therapy Formed by Self-Assembly of DNA with Synthetic Block Co-Polymers." Human Gene Therapy Nov 10, 1996; 7; 2123-2133.

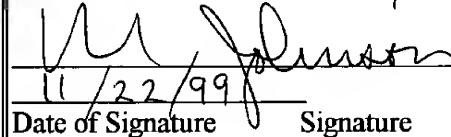
Xu, Y. Et al., "Mechanism of DNA Release From Cationic Liposome/DNA Complexes Used in Cell Transfection." Biochemistry 1996; 35; 5616-5623.

Applicant respectfully requests that these publications be expressly considered during the prosecution of this application and made of record herein and appear among the 'References Cited' on any patent to issue herefrom.

Respectfully submitted,


Mark K. Johnson Reg. No. 35,909
P.O. Box 510644
New Berlin, WI 53151-0644
(414) 821-5690

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on 11/22/99.


11/22/99
Date of Signature Signature